

**To:** Ferrell, Mark[Ferrell.Mark@epa.gov]  
**Sent:** Tue 2/25/2014 7:21:02 PM  
**Subject:** RE: Q from Rockefeller aide

Mark;

The review is not yet complete. The briefing document submitted by Am Water has been delivered to several people for review including our Water Security, ORD

**From:** Ferrell, Mark  
**Sent:** Tuesday, February 25, 2014 12:49 PM  
**To:** Capacasa, Jon; Arguto, William; binetti, victoria; Burns, Francis  
**Cc:** Smith, Bonnie  
**Subject:** Re: Q from Rockefeller aide

# Ex. 5 - Deliberative

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**From:** Ferrell, Mark  
**Sent:** Tuesday, February 25, 2014 11:19:09 AM  
**To:** Capacasa, Jon; Arguto, William; binetti, victoria; Burns, Francis  
**Cc:** Smith, Bonnie  
**Subject:** Q from Rockefeller aide

Asking if EPA R3 has done an "internal review" of the Guidance For Decontamination Of Water System Infrastructure prepared in 2006 - was sponsored by AWWA Research Foundation, who is now the Water Research Foundation.

Ex. 5 - Deliberative

# Ex. 5 - Deliberative

Mark Ferrell

EPA Region 3

Office of State and Congressional Relations

West Virginia Liaison

Charleston, W.Va.

(304) 542-0231

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**From:** Levine, Carolyn  
**Sent:** Monday, February 24, 2014 5:21 PM  
**Cc:** Ferrell, Mark; Miller, Linda  
**Subject:** RE: update on samples

Mark and Linda,

Can you please check on this?

-----  
*Carolyn Levine*

*Office of Congressional and Intergovernmental Relations*

*U.S. EPA*

*(202) 564-1859*

*[levine.carolyn@epa.gov](mailto:levine.carolyn@epa.gov)*

**From:** Chambers, Laura (Rockefeller) [[mailto:Laura\\_Chambers@rockefeller.senate.gov](mailto:Laura_Chambers@rockefeller.senate.gov)]  
**Sent:** Monday, February 24, 2014 2:07 PM  
**To:** Levine, Carolyn

**Cc:** Ferrell, Mark; Miller, Linda  
**Subject:** RE: update on samples

Hi Carolyn,

I reached out to WV American Water regarding a copy of the summary on residuals and piping and they told me they could not share the materials. Will the EPA be able to share with our office a copy of your internal review?

Many thanks,

Laura

**From:** Levine, Carolyn [<mailto:Levine.Carolyn@epa.gov>]  
**Sent:** Tuesday, February 18, 2014 12:25 PM  
**To:** Chambers, Laura (Rockefeller)  
**Cc:** Ferrell, Mark; Miller, Linda  
**Subject:** RE: update on samples

Hi Laura,

Copied below are EPA responses to your questions from Friday. I hope this is helpful. Please let us know if you have any questions.

**Q1. Have you received the summary from American Water regarding residuals in piping? Has EPA done an independent work on this?**

EPA received a draft summary document today (February 18, 2014) and will conduct an internal review.

**Q2. Could you please provide a brief update on clean-up efforts?**

EPA's On-Scene Coordinator has heard that WVDEP and the Attorney General Office, along with the Chemical Safety Board, have indicated that they would allow Freedom Industries to begin demolition plans to remove tanks 393 and 394, which are located at the far northern end of the facility. We understand that the facility is scheduled to

meet with the Charleston Sanitation Board on Wednesday, February 19, 2014, to discuss disposal of the stored water via POTW.

The site is stabilized and work continues to control the source of the contamination at the site. This work was started with the emptying of the leaked tank and its two companion tanks. The remaining 14 tanks are being systematically emptied. The collection trenches, sumps and collection piping are collecting the water and remaining chemical that was under the leaked tank.

The snow and rain have generated considerable amounts of water through the facility, both surface and subsurface water. The facility has also placed boom in the river adjacent to the facility to contain water and possible chemical from traveling downstream. The collection of water will continue until the tanks and underlying concrete pad can be removed and the subsurface excavated. This area is being preserved for now to preserve the evidence for the investigation by CSB and the FBI. EPA, WVDEP and the facility have sampled the water collected from several points on the site, which are being analyzed. The collection mechanisms have been effective in containing the water that continues to seep from the site. The facility has hired a contractor to develop a long term remediation plan to find and remove any residual contamination.

**Q3. Has sampling for PPH below 2 PPM been completed? What levels is the chemical being tested at?**

EPA is not currently testing water samples for PPH. Results reported for PPH and DiPPH on the

WV Homeland Security site show all the intake and treated water samples are non-detect –

their lab's detection limit is 10 ppb:

[http://www.dhsem.wv.gov/Documents/Master%20PPH%20LOG\\_PUBLIC%2012%20FEB%2014%201430.pdf](http://www.dhsem.wv.gov/Documents/Master%20PPH%20LOG_PUBLIC%2012%20FEB%2014%201430.pdf)

**Q4. Any more information on why formaldehyde could have been more common the toilet tanks or Mr. Simonton's testing methods?**

EPA is aware that formaldehyde was detected at very low concentrations in three toilet tanks in a single restaurant, so there is not much basis for comparison with other locations. Formaldehyde is found in many commercial products. The concentrations reported by Dr. Simonton (32 and 33 parts per billion) are much lower than EPA's life-time health advisory for formaldehyde in drinking water, which is 1,000 parts per billion (or one part per million).

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*Carolyn Levine*

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*[levine.carolyn@epa.gov](mailto:levine.carolyn@epa.gov)*

**From:** Chambers, Laura (Rockefeller) [[mailto:Laura\\_Chambers@rockefeller.senate.gov](mailto:Laura_Chambers@rockefeller.senate.gov)]  
**Sent:** Tuesday, February 18, 2014 10:11 AM  
**To:** Ferrell, Mark  
**Cc:** Levine, Carolyn  
**Subject:** RE: update on samples

Hi Mark and Carolyn,

Hope you enjoyed the long weekend. Please let me know if you are able to follow-up on any of our questions today.

Many thanks,

Laura

**From:** Ferrell, Mark [<mailto:Ferrell.Mark@epa.gov>]  
**Sent:** Friday, February 14, 2014 1:46 PM  
**To:** Chambers, Laura (Rockefeller)  
**Cc:** Levine, Carolyn  
**Subject:** Re: update on samples

Laura, our Philly office was closed yesterday and DC is, well, you know. So were a little behind at the

moment on some of our coordination efforts, particularly with other agencies similarly affected, but let me see what we can get for you that we have as of today.

Mark

**From:** Chambers, Laura (Rockefeller) <[Laura\\_Chambers@rockefeller.senate.gov](mailto:Laura_Chambers@rockefeller.senate.gov)>

**Sent:** Friday, February 14, 2014 1:24:51 PM

**To:** Ferrell, Mark; Levine, Carolyn

**Cc:** Snyder, Raquel; Miller, Linda

**Subject:** RE: update on samples

Hi all,

# Ex. 5 - Deliberative

Laura

**From:** Ferrell, Mark [<mailto:Ferrell.Mark@epa.gov>]

**Sent:** Tuesday, February 11, 2014 1:53 PM

**To:** Chambers, Laura (Rockefeller); Levine, Carolyn

**Cc:** Snyder, Raquel; Miller, Linda  
**Subject:** Re: update on samples

Regarding the question on residuals in pipe. American Water is providing a summary of the exiting science addressing residuals in piping. We are expecting the summary by the end of the week. Once we have it, EPA will provide a review. I will keep you posted on it's progress.

**From:** Chambers, Laura (Rockefeller) <[Laura\\_Chambers@rockefeller.senate.gov](mailto:Laura_Chambers@rockefeller.senate.gov)>  
**Sent:** Monday, February 10, 2014 4:56:39 PM  
**To:** Levine, Carolyn  
**Cc:** Snyder, Raquel; Miller, Linda; Ferrell, Mark  
**Subject:** RE: update on samples

Thanks for the update on the response to the health study. Appreciate and info others can give on the additional questions relating to reactions to pipes, the formaldehyde found at Vandalia Grille and updates on remediation efforts.

Laura

**From:** Levine, Carolyn [<mailto:Levine.Carolyn@epa.gov>]  
**Sent:** Monday, February 10, 2014 4:47 PM  
**To:** Chambers, Laura (Rockefeller)  
**Cc:** Snyder, Raquel; Miller, Linda; Ferrell, Mark  
**Subject:** RE: update on samples

Hi Laura,

I am adding Linda Miller and Mark Ferrell in our Region 3 office who have been working with the technical folks to respond to your questions. They can facilitate responding to your additional questions.

Regarding the Senator's letter to CDC and EPA, we have prepared a joint response with CDC which should be coming from CDC in the next day or so.

Please let us know if you have additional questions.

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*Carolyn Levine*

*Office of Congressional and Intergovernmental Relations*

*U.S. EPA*

*(202) 564-1859*

*[levine.carolyn@epa.gov](mailto:levine.carolyn@epa.gov)*

-----Original Message-----

From: Chambers, Laura (Rockefeller) [[mailto:Laura\\_Chambers@rockefeller.senate.gov](mailto:Laura_Chambers@rockefeller.senate.gov)]

Sent: Monday, February 10, 2014 3:17 PM

To: Levine, Carolyn

Cc: Snyder, Raquel

Subject: RE: update on samples

Hi Carolyn,

I hope you had a good weekend. I wanted to follow-up on my last email on Friday afternoon and also I had some more follow-up questions we are trying to stay on top of.

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Thanks for your help in getting us answers.

All the best,

Laura

-----Original Message-----

From: Chambers, Laura (Rockefeller)

Sent: Friday, February 07, 2014 6:02 PM

To: 'Levine, Carolyn'

Subject: RE: update on samples

# Ex. 5 - Deliberative

Thanks,

Laura

-----Original Message-----

From: Levine, Carolyn [<mailto:Levine.Carolyn@epa.gov>]

Sent: Friday, February 07, 2014 5:28 PM

To: Chambers, Laura (Rockefeller)

Cc: Miller, Linda; Ferrell, Mark

Subject: RE: update on samples

Hi Laura,

We have some additional information regarding Dr. Simonton. EPA contacted Dr. Simonton/Marshall University to ask questions concerning the reported formaldehyde results in some water samples. On February 5th, Dr. Simonton provided EPA with a lab report for five samples collected at one location - Vandalia Grille - on 1/13/14.

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EPA will be following up with Dr. Simonton to obtain more specifics on the raw data and discuss details of methodology.

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Carolyn Levine

Office of Congressional Affairs

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From: Levine, Carolyn

Sent: Friday, February 07, 2014 11:16 AM

To: Chambers, Laura (Rockefeller)

Subject: RE: update on samples

Hi Laura,

Our regional office did finally make contact with the scientist and received some data and information. I will find out more details and I will let you know.

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Carolyn Levine

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(202) 564-1859

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From: Chambers, Laura (Rockefeller) [Laura\_Chambers@rockefeller.senate.gov]

Sent: Friday, February 07, 2014 10:37 AM

To: Levine, Carolyn

Subject: RE: update on samples

Hi Carolyn,

Has anyone been able to get in touch with the Marshall scientist yet?

From: Levine, Carolyn [<mailto:Levine.Carolyn@epa.gov>]

Sent: Thursday, January 30, 2014 2:59 PM

To: Chambers, Laura (Rockefeller)

Subject: RE: update on samples

Surface water sampling includes-

Drainage on site-there are trenches upgradient and downgradient of site, sampling is in the surface water runoff into trench.

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From: Chambers, Laura (Rockefeller) [[mailto:Laura\\_Chambers@rockefeller.senate.gov](mailto:Laura_Chambers@rockefeller.senate.gov)]

Sent: Thursday, January 30, 2014 2:45 PM

To: Levine, Carolyn

Subject: RE: update on samples

Are these samples coming directly from the tank or groundwater surrounding?

From: Levine, Carolyn [<mailto:Levine.Carolyn@epa.gov>]

Sent: Thursday, January 30, 2014 2:40 PM

To: Chambers, Laura (Rockefeller)

Cc: Miller, Linda

Subject: update on samples

Hi Laura,

Some additional info. from EPA R3-

The facility's remediation consultant, CEC, collected two surface water samples on January 29, 2014. EPA, WVDEP, and plaintiff representatives collected split samples. EPA's split samples were shipped to the Region 3 Lab for Trace VOC and MCHM/PPH analysis. CEC plans on re-developing monitor wells onsite to facilitate collection of groundwater samples, which should occur on Monday, February 3, 2014.

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